

# CLIMATE DECLARATION FOR ASPHALT MIXTURES FROM HUDIKSVALL ASPHALT PLANT

Functional unit: 1000 kg asphalt mixture

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD<sup>®</sup>, in accordance with ISO 14025 and EN 15804.



## Information about the product

The asphalt mixtures declared are manufactured at the asphalt plant Hudiksvall, by NCC Industry, Division Asphalt in Sweden. In 2020, about 37 000 tonnes of asphalt mixtures were produced at the plant. The mixtures declared are the most common ones during the year of production. Asphalt plants manufacture asphalt mixtures for paving purposes. The asphalt mixtures that can be produced at the declared plant are hot mix asphalt (HMA), warm mix asphalt (WMA), soft bitumen asphalt (SA) and polymer modified asphalt (PMB).

## Information about the company

NCC is one of the leading construction and property development companies in the Nordic region, with sales of 5.4 billion Euro and approximately 14 500 employees in 2020. With the Nordic region as its home market, NCC is active throughout the value chain – developing commercial properties and constructing housing, offices, industrial facilities and public buildings, roads, civil engineering structures and other types of infrastructure.

NCC also offers input materials used in construction and accounts for paving and road services.

## Climate declaration A1-A3

The table below lists the emissions of greenhouse gases A1-A3 for the product in kg CO<sub>2</sub> eq. per 1000 kg asphalt mixture.

		ABT 16 100/150 LTA	ABT 11 100/150 LTA	ABb 22 70/100 LTA	ABT 16 70/100 AN10 LTA
GWP - Total		32	32	30	37
GWP – Fossil*		32*	32*	30*	37*
GWP – Biogenic**		0	0	0	0
GWP – Luluc		0.014	0.014	0.014	0.064
GWP – GHG***		32	32	30	37
ABT 16 160/220 LTA	AG 16 70/100 LTA	AG 16 160/220 LTA	ABT 11 160/220 LTA	ABT 16 70/100 LTA	AG 22 160/220 LTA
32	30	29	32	33	30
32*	32*	29*	32*	33*	30*
0	0	0	0	0	0
0.014	0.014	0.014	0.014	0.014	0.014
32	32	29	32	33	30

\* The default value in the Swedish Transport Administration's tool Klimatkalkyl is 49 kg per tonne asphalt mixture (6.5% bitumen) for A1-A3 (Trafikverket, Klimatkalkyl version 7.0, 2020)

\*\* This indicator is set to zero, due to inconsistencies in the dataset used delivered by Sphera. Though, net result over the life cycle is zero since carbon uptake and emission is zero during a life-cycle.

\*\*\* "GWP – total" but excluding "biogenic"

## Other environmental impacts

For the full EPD, see [www.environdec.com](http://www.environdec.com).

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CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
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